PROGRAM DÖKÜM EKİ

- CRUNCH
- DATA YAPICI
- MOUSE EXE VE HESAP MAKİNESİ
- WINDOW WIZARD

BİG ROM

73

COMMODORE
AYLIK BİLGİSAYAR DERGİSİ

Commodore'un Ücretsiz Ekidir

PROGRAM DÖKÜM EKİ

- CHOMEX
- DATA MAPPER
- MOUSE EXE VE MESAP MANYMESI
- WINDOWS WIZARD
- BIG ROM

73

COMMODORE

Eğer Commodore Dergisi Program Döküm Eki'nde yayınlanan programlarla ilgileniyorsanız, yeni uygulamamızı kaçırmayın!

Bundan sonra, Döküm Eki'nde yayınlanacak olan programlar bizler tarafından paketler haline getirilecek ve bu paketleri elde etmek isteyen arkadaşlarımıza posta aracılığı ile iletilecektir. Bu paketleri **kaset ya da disket** olarak elde edebilirsiniz. Bu aboneliğimizden yararlanmak isteyenler, paketlerini derginin çıkış tarihinden önce alabileceklerdir.

Böylece, katılan arkadaşlar hem programları yazmanın yoruculuğundan hem de olası hatalardan da kurtulacaklar.

Bu yeni **PROGRAM ABONELİĞİ** ile ilgileniyorsanız hemen mektup veya telefonla ya da bizzat adresimize gelerek başvuruda bulunun.

Gerekli şartlar için:

Tel: 346 86 48

Adres: Commodore Dergisi
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81300 KADIKÖY - İST.

72. Sayıdan Devam

```
01620 PRINT "<CLR><DOWN>"                                          <186>
01630 PRINT "<C=5>KORELASYON KAYSAYISI<5SPACE>=<CTR
      L-2>";K                                                      <221>
01650 PRINT "<C=5><3DOWN><3SPACE>REGRESYON CIZGISI<
      2SPACE>: "                                                   <016>
01680 PRINT "<C=5><2DOWN>EGIMI<13SPACE>=<CTRL-2>";M
                                                                   <225>
01690 PRINT "<C=5><2DOWN>ORDINAT KISMI<5SPACE>=<CTR
      L-2>";B                                                      <182>
01700 PRINT "<4DOWN>HESAPLANAN VE GERCEK DEGERLERI<
      4SPACE>"                                                     <016>
01705 PRINT " KARSILASTIRACAK MISINIZ<2SPACE>E/H":P
      RINT                                                         <231>
01710 GET A$:IF A$="" THEN 1710                                    <172>
01720 IF A$="E" THEN 1800                                          <189>
01730 IF A$="H" THEN 1890                                          <217>
01740 GOTO 1710                                                    <044>
01800 REM                                                          <084>
01801 REM                                                          <085>
01802 REM                                                          <086>
01803 REM                                                          <087>
01804 REM                                                          <088>
01805 PRINT "<CLR>"                                                <015>
01810 FOR I=1 TO N STEP 10                                         <220>
01820 :PRINT "<C=5> X DEGERI","TEORIK Y","<7SPACE>G
      ERCEK Y"                                                     <161>
01830 :FOR J=0 TO 9                                                <185>
01840 ::K=J+I                                                      <049>
01850 ::PRINT X(K),Y(K),"<7SPACE>"B+M*X(K)                         <215>
01855 ::IF K=N THEN 1890                                           <175>
01860 :NEXT J                                                      <242>
01865 PRINT TAB(11)"<DOWN><C=5><RVSON>BIR TUSA BASI
      N"                                                           <145>
01870 :GET A$:IF A$="" THEN 1870                                   <181>
01875 PRINT "<CLR>"                                                <085>
01880 NEXT I                                                       <186>
01890 PRINT TAB(11)"<C=5><DOWN>YENI DEGER<2SPACE>E/
      H"                                                           <087>
02000 GET A$:IF A$="" THEN 2000                                    <175>
02010 IF A$="E" THEN RUN                                           <125>
02020 IF A$<>"E" AND A$<>"H" THEN 2000                             <181>
02030 END                                                          <254>
05000 REM                                                          <236>
05010 REM                                                          <246>
05020 REM                                                          <000>
05030 REM                                                          <010>
05035 PRINT "<CLR>"                                                <197>
05040 REM                                                          <020>
05050 POKE 211,10:POKE 214,12:SYS 58732                            <145>
05060 PRINT "<C=5>DOGRUSAL REGRESYON"                              <117>
05070 FOR I=1 TO 5000:NEXT                                         <161>
05080 RETURN                                                       <056>
```

Crunch

Hey BASIC programcıları işte size göre bir program daha. Bu kullanışlı program sayesinde yaptığınız programlar daha az yer kaplayacak. Programın açıklamasına gelince;

-F1- Bu tuş sayesinde boşluklardan arınmış ve tam 255 byte uzunluğunda bir programınız olur. Bu seçenekle Cruncher yazdığınız programın bazı satırlarını birleştirerek ve satır numarası vererek hafızadaki yerine yolluyor. İşin ilginci LIST dendiğinde yer program satırı tam 4 satır sürmesine rağmen yazdığınız program eksiksiz çalışıyor.

-F3-'e basarsanız 255 byte yerine 8' byte'lik satırlara sahip bir programınız olur.

-F5- tuşuna basınca sadece programınızın boşlukları siliniyor.

Yaptığım bir denemede 33 blokluk bir programı 28 bloka indirdi. F1 veya F3'ü seçtiğinizde her şeye rağmen değişen program sorunsuzca kaydedilip yüklenebiliyor. Size bu programı bir an önce yazmanızı öneriyorum. Programın başlangıç ve çalışma süresi 49152'dir. Bu yüzden BASIC hafıza alanını işgal etmeyip yazdığınız programa herhangi bir zarar veremez. Bol şanslar!

```
PROGRAM : CRUNCH                    C000 C66D

C000 : A0 02 B9 7C 00 99 34 03  43
C008 : 88 10 F7 A9 C9 85 7C A9  D9
C010 : 3A 85 7D A9 00 85 72 A9  26
C018 : 01 8D 20 D0 8D 21 D0 A9  7A
C020 : A9 A0 C5 20 EB C4 20 E4  BE
C028 : FF F0 FB C9 85 D0 04 A9  1A
C030 : FF D0 0E C9 86 D0 04 A9  A6
C038 : 50 D0 06 C9 87 D0 E7 A9  9D
C040 : 00 85 FA A0 37 A9 C6 20  CA
C048 : EB C4 A9 00 85 A3 85 A9  DF
C050 : 20 A0 C0 A5 A3 F0 2B A5  5F
C058 : 2B 85 5F A5 2C 85 60 A2  88
C060 : 00 20 3F C1 A0 01 B1 5F  10
C068 : AA C8 B1 5F 85 60 86 5F  03
C070 : 88 B1 5F D0 EA A9 46 A0  19
C078 : C6 20 EB C4 20 02 C5 6C  E4
C080 : 02 A0 A5 2D 85 B4 A5 2E  D2
C088 : 85 B5 20 4D C1 A5 FA 85  DA
C090 : A9 20 A0 C0 20 4D C1 20  3D
C098 : 71 C3 20 02 C5 6C 02 A0  3C
C0A0 : 20 DD C4 20 EE C3 20 BE  4F
C0A8 : C3 A6 00 B1 7A D0 01 60  EC
C0B0 : 20 EE C3 B1 7A 85 FB 20  72
C0B8 : EE C3 B1 7A 85 FC 20 73  EB
C0C0 : 00 C9 00 F0 DE C9 02 F0  E9
C0C8 : DA C9 22 D0 0F 20 73 00  E9
C0D0 : C9 00 F0 CF C9 02 F0 CB  D7
```

```
C0D8 : C9 22 D0 F1 C9 89 F0 10  F1
C0E0 : C9 8D F0 0C C9 8A F0 08  F2
C0E8 : C9 9B F0 04 C9 A7 D0 CE  F6
C0F0 : 20 73 00 90 06 20 00 C4  C7
C0F8 : 4C BE C0 20 23 C4 A5 14  EF
C100 : A4 15 85 FD 84 FE 20 AE  6E
C108 : C4 90 0E A2 02 20 3F C1  8E
C110 : 20 79 00 C9 2C F0 D9 D0  79
C118 : DC E6 A3 A9 0D 20 D2 FF  A2
C120 : A5 FC A6 FB 20 5A C4 A9  A8
C128 : 31 A0 C5 20 EB C4 A5 FE  98
C130 : A6 FD 20 5A C4 A9 39 A0  E8
C138 : C5 20 EB C4 4C 10 C1 A5  38
C140 : 5F D0 02 C6 60 C6 5F 8A  30
C148 : A0 00 91 5F 60 20 BF C3  C6
C150 : A9 00 85 A4 85 AA 85 AB  0A
C158 : A8 B1 7A 85 B6 20 F5 C3  F4
C160 : 20 CB C3 20 04 C3 20 73  20
C168 : 00 C9 02 F0 04 C9 00 D0  1C
C170 : 08 20 FB C1 90 F0 4C 48  12
C178 : C3 C9 3A D0 08 20 09 C4  F8
C180 : 85 B6 4C 66 C1 C9 88 F0  AF
C188 : DD C9 8F D0 06 20 43 C2  3C
C190 : 4C 74 C1 C9 82 D0 1F 20  2B
C198 : 09 C4 20 73 00 F0 11 C9  D9
C1A0 : 02 F0 0D C9 2C D0 F3 A9  03
C1A8 : 3A 20 09 C4 A9 82 D0 E7  8F
C1B0 : 20 00 C4 4C 66 C1 C9 22  68
C1B8 : D0 06 20 D7 C2 4C 74 C1  72
C1C0 : C9 83 D0 06 20 7D C2 4C  D1
C1C8 : 74 C1 20 17 C4 90 20 20  99
C1D0 : 09 C4 20 73 00 90 05 20  8B
C1D8 : 17 C4 90 0D 20 09 C4 20  B5
C1E0 : 73 00 90 F8 20 17 C4 B0  26
C1E8 : F6 20 00 C4 4C 66 C1 C9  1A
C1F0 : 8B D0 02 85 A4 20 09 C4  0E
C1F8 : 4C 66 C1 85 B6 C9 02 D0  FC
C200 : 1C A0 00 B1 A7 C9 22 D0  96
C208 : 03 20 F5 C3 A9 00 85 AA  17
C210 : 20 09 C4 20 CB C3 B0 04  90
C218 : 20 04 C3 18 60 A5 A4 D0  96
C220 : E0 A0 04 C8 B1 7A C9 00  81
C228 : F0 04 C9 02 D0 F5 88 88  ED
C230 : 88 88 C4 F9 B0 CB 20 CB  EE
C238 : C3 B0 C6 A9 3A 85 B6 20  25
C240 : 09 C4 60 20 73 00 C9 00  26
C248 : F0 04 C9 02 D0 F5 AA A5  A0
C250 : B6 C9 3A D0 07 20 F5 C3  64
C258 : 8A 4C FB C1 C9 02 F0 0D  CA
C260 : A0 04 20 F5 C3 88 D0 FA  83
C268 : 86 B6 4C 13 C2 E0 02 D0  9C
C270 : 08 A9 8F 20 09 C4 4C 58  CD
C278 : C2 20 CB C3 60 C5 AA D0  36
```

```
C280 : 05 20 F5 C3 A9 2C 20 09  1A
C288 : C4 20 73 00 A0 00 B1 7A  FF
C290 : C9 22 D0 05 20 E0 C2 90  74
C298 : F0 C9 00 F0 1D C9 02 F0  95
C2A0 : 29 C9 3A F0 0D C9 2C F0  0C
C2A8 : DD 20 09 C4 20 EE C3 4C  91
C2B0 : 8C C2 20 D0 C2 20 00 C4  76
C2B8 : 18 60 A0 05 B1 7A C9 83  E6
C2C0 : D0 08 85 AA A9 00 85 AB  53
C2C8 : F0 03 20 D0 C2 4C FB C1  5E
C2D0 : A6 00 84 AA 84 AB 60 20  4E
C2D8 : E0 C2 B0 01 60 4C FB C1  41
C2E0 : 20 09 C4 20 EE C3 A0 00  49
C2E8 : B1 7A C9 00 F0 0D C9 02  EB
C2F0 : F0 09 C9 22 D0 EA 20 09  12
C2F8 : C4 18 60 AA A9 22 20 09  74
C300 : C4 8A 38 60 A9 00 85 A4  1D
C308 : A5 A9 85 F9 A9 FF 20 09  4F
C310 : C4 20 09 C4 A5 FB 20 09  8C
C318 : C4 A5 FC 20 09 C4 60 20  6A
C320 : BF C3 20 CB C3 B0 20 20  C5
C328 : 73 00 C9 00 D0 F9 20 EE  49
C330 : C3 A5 7A AA A0 00 91 A7  59
C338 : C8 A5 7B 91 A7 85 A8 86  3A
C340 : A7 20 00 C4 4C 22 C3 60  36
C348 : 20 E7 C3 20 DD C4 A9 00  FB
C350 : A8 91 7A 91 A7 20 E7 C3  34
C358 : 91 A7 20 E7 C3 A5 A7 85  D5
C360 : 2D 85 2F 85 31 A5 A8 85  BA
C368 : 2F 85 30 85 32 20 1F C3  3E
C370 : 60 A9 49 A0 C5 20 EB C4  A2
C378 : 38 A5 B4 E5 2B AA A5 B5  77
C380 : E5 2C 20 5A C4 20 B7 C3  82
C388 : A9 6B A0 C5 20 EB C4 38  AC
C390 : A5 2D E5 2B AA A5 2F E5  07
C398 : 2C 20 5A C4 20 B7 C3 A9  26
C3A0 : B6 A0 C5 20 EB C4 38 A5  FD
C3A8 : B4 E5 2D AA A5 B5 E5 2E  EB
C3B0 : 20 5A C4 20 B7 C3 60 A9  A1
C3B8 : A1 A0 C5 20 EB C4 60 A5  B0
C3C0 : 2B 85 A7 A5 2C 85 A8 20  1E
C3C8 : DD C4 60 A0 02 B1 7A F0  AD
C3D0 : 14 C8 B1 7A 85 FB C8 B1  C3
C3D8 : 7A 85 FC A2 04 20 EE C3  2D
C3E0 : CA D0 FA 18 60 38 60 E6  EB
C3E8 : A7 D0 02 E6 A8 60 E6 7A  73
C3F0 : D0 02 E6 7B 60 A5 A7 D0  5E
C3F8 : 02 C6 A8 C6 A7 E6 F9 60  BB
C400 : A5 7A D0 02 C6 7B C6 7A  AF
C408 : 60 20 F7 C3 A0 00 91 A7  8A
C410 : C4 F9 F0 02 C6 F9 60 C9  9E
C418 : 41 90 05 E9 5B 38 E9 A5  8A
C420 : 60 18 60 A2 00 86 14 86  8A
```

```
C428 : 15 B0 2E E9 2F 85 61 A5 4E
C430 : 15 85 62 A5 14 0A 26 62 44
C438 : 0A 26 62 65 14 85 14 A5 A4
C440 : 62 65 15 85 15 06 14 26 69
C448 : 15 A5 14 65 61 85 14 90 95
C450 : 02 E6 15 20 73 00 4C 29 C9
C458 : C4 60 86 61 85 62 A2 03 16
C460 : A9 00 95 63 CA 10 FB A0 39
C468 : 0F 06 61 26 62 78 F8 A5 B1
C470 : 63 65 63 85 63 A5 64 65 CF
C478 : 64 85 64 A5 65 65 65 85 8F
C480 : 65 D8 58 88 10 E3 A2 02 27
C488 : B5 63 48 4A 4A 4A 4A 20 AB
C490 : A3 C4 68 29 0F 20 A3 C4 DF
C498 : CA 10 ED A5 66 D0 03 20 D4
C4A0 : A7 C4 60 C5 66 F0 FB 09 6A
C4A8 : 30 85 66 4C D2 FF A5 2B D8
C4B0 : A6 2C A0 01 85 5F 86 60 E3
C4B8 : B1 5F F0 1F C8 C8 A5 15 CC
C4C0 : D1 5F 90 18 F0 03 88 D0 53
C4C8 : 09 A5 14 88 D1 5F 90 0C 2C
C4D0 : F0 0A 88 B1 5F AA 38 B1 EE
C4D8 : 5F F0 D7 18 60 18 A5 2B 3C
C4E0 : 69 FF 85 7A A5 2C 69 FF 5B
C4E8 : 85 7B 60 85 61 84 62 A0 F9
C4F0 : 00 B1 61 F0 0C 20 D2 FF 4C
C4F8 : E6 61 D0 F3 E6 62 4C EF D4
C500 : C4 60 A0 02 B9 34 03 99 D9
C508 : 7C 00 88 10 F7 60 20 47 3A
C510 : 4F 54 4F 20 00 20 47 4F 1E
C518 : 53 55 42 20 00 20 54 48 8D
C520 : 45 4E 20 00 20 52 55 4E 1B
C528 : 20 00 20 4C 49 53 54 20 9B
C530 : 00 20 4C 49 4E 45 20 23 52
C538 : 00 20 44 4F 45 53 4E 27 BA
C540 : 54 20 45 58 49 53 54 0D 9B
C548 : 00 93 11 11 11 11 11 11 78
C550 : 11 20 20 20 20 4F 4C 44 B4
C558 : 20 50 52 4F 47 52 41 4D C5
C560 : 20 4C 45 4E 47 54 48 3A 6E
C568 : 20 20 00 0D 20 20 20 20 FE
C570 : 4E 45 57 20 50 52 4F 47 9E
C578 : 52 41 4D 20 4C 45 4E 47 79
C580 : 54 48 3A 20 20 00 0D 20 01
C588 : 20 20 20 50 52 4F 47 52 2C
C590 : 41 4D 20 52 45 44 55 43 1D
C598 : 45 44 20 42 59 3A 20 20 78
C5A0 : 00 20 42 59 54 45 53 0D 43
C5A8 : 00 93 98 11 11 11 11 20 D8
C5B0 : 20 20 20 53 45 4C 45 43 A5
C5B8 : 54 20 44 45 53 49 52 45 29
C5C0 : 44 20 4D 41 58 49 4D 55 40
C5C8 : 4D 20 4E 55 4D 42 45 52 04
```

```
C5D0 : 20 4F 46 0D 20 20 20 20  8F
C5D8 : 42 59 54 45 53 20 50 45  87
C5E0 : 52 20 4C 49 4E 45 3A 0D  91
C5E8 : 11 11 11 20 20 20 20 20  8E
C5F0 : 20 20 20 12 46 31 92 20  E3
C5F8 : 3D 20 32 35 35 0D 11 20  B9
C600 : 20 20 20 20 20 20 20 12  E4
C608 : 46 33 92 20 3D 20 38 30  A7
C610 : 0D 11 20 20 20 20 20 20  76
C618 : 20 20 12 46 35 92 20 3D  79
C620 : 20 4F 52 49 47 49 4E 41  20
C628 : 4C 20 4C 49 4E 45 20 4C  E9
C630 : 45 4E 47 54 48 0D 00 0D  00
C638 : 11 43 52 55 4E 43 48 49  DD
C640 : 4E 47 2E 2E 2E 00 0D 11  BC
C648 : 20 20 20 20 20 20 2D 2D  97
C650 : 2D 20 50 52 4F 47 52 41  E7
C658 : 4D 20 4E 4F 54 20 43 52  2B
C660 : 55 4E 43 48 45 44 20 2D  08
C668 : 2D 2D 00 0D 00 00 00 00  CE
```

Data Yapıcı

Bu program hafızanın herhangi bir yerinde bulunan makine dili bilgileri data satırları halindeki BASIC programa çevirir. Hangi hafıza bölgesi üzerinde işlem yapacağınızı belirtmek için 10. satırdaki BA (başlangıç) değişkeninin değerini hafızanın başlangıcı, BI (bitiş) değişkenini de datası hazırlanacak hafızanın bitiş adresi olarak vermeniz gerekir. SA (satır) değişkeni ise data satırlarının kaç numaralı satırdan başlanarak hazırlanacağını belirtir. Bu değişken 360'dan büyük olmak zorundadır, çünkü kendi programımız 360. satıra kadar sürmektedir.

```
PROGRAM ADI : DATA YAPICI

00010 PRINT "<CLR><DOWN>":CLR:BA=49152:BI=49300:SA=
      1000:KA=10:I=-7:BA=BA-7                          <109>
00013 IF SA<=360 THEN PRINT "<CLR>SATIR SAYISI 3
      60'TAN BUYUK OLMALIDIR!"                         <210>
00014 IF BA<=03786 THEN PRINT "<CLR>BASLANGIC AD
      RESINDE BU PRG VAR!"                             <118>
00015 HI=INT((BA+7)/256):POKE 53240,HI:POKE 53241,(
      BA+7)-HI*256                                     <050>
00020 BA=BA+7:PRINT MID$(STR$(SA),2);" DATA ";:SA=S
      A+KA:C=C+1                                       <127>
00025 FOR K=0 TO 6                                     <238>
00030 PRINT RIGHT$(STR$(1000+PEEK(BA+K)),3);",";:NE
      XT :PRINT "<LEFT>                                <085>
00040 IF C=6 THEN C=0:GOTO 60                          <154>
00050 IF BA+I<BI THEN 20                               <012>
```

```
00055 PRINT I                                                    <231>
00060 PRINT "GOTO 80<HOME>";                                     <116>
00065 HI=INT(BA/256):POKE 53232,HI:POKE 53233,BA-HI
      *256                                                       <122>
00066 HI=INT(BI/256):POKE 53234,HI:POKE 53235,BI-HI
      *256                                                       <052>
00067 HI=INT(SA/256):POKE 53236,HI:POKE 53237,SA-HI
      *256                                                       <086>
00068 HI=INT(KA/256):POKE 53238,HI:POKE 53239,KA-HI
      *256                                                       <236>
00070 FOR T=0 TO 8:POKE 631+T,13:NEXT :POKE 198,7:E
      ND                                                         <038>
00080 BA=PEEK(53232)*256+PEEK(53233)                             <005>
00082 BI=PEEK(53234)*256+PEEK(53235)                             <089>
00084 SA=PEEK(53236)*256+PEEK(53237)                             <113>
00086 KA=PEEK(53238)*256+PEEK(53239)                             <101>
00090 IF BA<BI THEN PRINT "<CLR><DOWN>":GOTO 20                  <143>
00094 BA=PEEK(53240)*256+PEEK(53241)                             <134>
00095 PRINT "<CLR><2DOWN>";MID$(STR$(SA),2);" FOR I="
      ;BA;"TO";BI;"<LEFT>:READ A:POKE I,A:NEXT<HOME>";           <064>
00097 POKE 631,13:POKE 198,1                                     <055>
00100 DATA  076,091,006,032,191,006,165                          <145>
00110 DATA  095,166,096,133,251,134,252                          <019>
00120 DATA  032,019,166,165,095,166,096                          <036>
00130 DATA  144,010,160,001,177,095,240                          <207>
00140 DATA  004,170,136,177,095,133,122                          <160>
00150 DATA  134,123,165,251,056,229,122                          <210>
00160 DATA  170,165,252,229,123,168,176                          <018>
00170 DATA  030,138,024,101,045,133,045                          <055>
00180 DATA  152,101,046,133,046,160,000                          <060>
00190 DATA  177,122,145,251,200,208,249                          <125>
00200 DATA  230,123,230,252,165,046,197                          <201>
00210 DATA  252,176,239,032,051,165,165                          <212>
00220 DATA  034,166,035,024,105,002,133                          <155>
00230 DATA  045,144,001,232,134,046,032                          <017>
00240 DATA  089,166,076,116,164,032,253                          <238>
00250 DATA  174,032,121,000,144,022,240                          <190>
00260 DATA  014,201,171,208,010,169,001                          <105>
00270 DATA  133,095,169,008,133,096,208                          <113>
00280 DATA  021,076,008,175,234,234,234                          <234>
00290 DATA  032,107,169,032,019,166,032                          <068>
00300 DATA  121,000,240,012,201,171,208                          <244>
00310 DATA  235,032,115,000,032,107,169                          <189>
00320 DATA  208,227,165,020,005,021,208                          <130>
00330 DATA  006,169,255,133,020,133,021                          <117>
00340 DATA  096,000,000,000,000,000,000                          <005>
00350 FOR I=1624  TO  1624+169:READ  A:POKE I,A:NEX
      T                                                          <222>
00360 SYS  1624,10-360                                           <122>
```

Mouse.exe ve Hesap Makinesi

Geçen ay Atölye bölümümüzde makine dili halinde yayınlanan ve basit bir örneği verilen bu rutinin bir uygulamasını da bu ay veriyoruz. Mouse.exe programını yazıp kaydettikten sonra Hesap Makinesi adlı programı yazıp çalıştırın. Programın detaylı açıklamasını Atölye bölümümüzde bulabilirsiniz.

```
PROGRAM  : MOUSE.EXE          C000 C1F0
-------  ------------------------------

C000 : 78 A9 79 8D 14 03 A9 C0  DE
C008 : 8D 15 03 A9 9B 8D 11 D0  22
C010 : A9 00 8D 12 D0 A9 81 8D  DA
C018 : 1A D0 A9 00 8D 0E DC A9  15
C020 : 64 8D AC C1 8D AE C1 8D  1E
C028 : 00 D0 8D 01 D0 A9 00 8D  89
C030 : AD C1 AD 10 D0 29 FE 8D  99
C038 : 10 D0 AD 17 D0 29 FE 8D  6C
C040 : 17 D0 AD 1D D0 29 FE 8D  3C
C048 : 1D D0 AD 1B D0 29 FE 8D  09
C050 : 1B D0 AD 1C D0 29 FE 8D  30
C058 : 1C D0 A9 0D 8D 27 D0 AD  99
C060 : 15 D0 09 01 8D 15 D0 A9  58
C068 : 0E 8D F8 07 A0 3F B9 B8  B8
C070 : C1 99 80 03 88 10 F7 58  18
C078 : 60 AD 19 D0 30 03 4C 31  BE
C080 : EA 20 5E C1 AD A7 C1 F0  4B
C088 : 0A AD AE C1 C9 01 90 03  39
C090 : CE AE C1 AD A8 C1 F0 0A  4C
C098 : AD AE C1 C9 C7 B0 03 EE  32
C0A0 : AE C1 AD A9 C1 F0 19 AD  33
C0A8 : AD C1 D0 07 AD AC C1 C9  26
C0B0 : 01 90 0D CE AC C1 AD AC  FF
C0B8 : C1 C9 FF D0 03 CE AD C1  59
C0C0 : AD AA C1 F0 14 AD AD C1  3A
C0C8 : F0 07 AD AC C1 C9 3F B0  05
C0D0 : 08 EE AC C1 D0 03 EE AD  EF
C0D8 : C1 AD AB C1 F0 28 AD AC  F3
```

```
C0E0 : C1 8D B1 C1 4A 4A 4A 8D  48
C0E8 : B4 C1 AD AD C1 8D B2 C1  75
C0F0 : F0 08 AD B4 C1 09 20 8D  E6
C0F8 : B4 C1 AD AE C1 8D B3 C1  A9
C100 : 4A 4A 4A 8D B5 C1 AD AC  29
C108 : C1 4A 4A 4A 8D AF C1 AD  83
C110 : AE C1 4A 4A 4A 8D B0 C1  D2
C118 : AD AD C1 F0 08 AD AF C1  5A
C120 : 09 20 8D AF C1 AD AD C1  56
C128 : 8D B7 C1 AD AC C1 18 69  C3
C130 : 18 8D B6 C1 90 08 A9 00  E5
C138 : 6D AD C1 8D B7 C1 AD B6  4B
C140 : C1 8D 00 D0 AD 10 D0 29  D3
C148 : FE 0D B7 C1 8D 10 D0 AD  EB
C150 : AE C1 18 69 32 8D 01 D0  47
C158 : EE 19 D0 4C 31 EA A9 00  A2
C160 : 8D AA C1 8D A9 C1 8D A7  92
C168 : C1 8D A8 C1 8D AB C1 AD  EB
C170 : 00 DC 29 1F C9 1F D0 01  E7
C178 : 60 A0 FF 48 29 10 D0 03  8E
C180 : 8C AB C1 68 48 29 01 D0  D3
C188 : 03 8C A7 C1 68 48 29 02  65
C190 : D0 03 8C A8 C1 68 48 29  ED
C198 : 04 D0 03 8C A9 C1 68 29  F3
C1A0 : 08 D0 03 8C AA C1 60 00  9D
C1A8 : 00 00 00 00 00 00 00 00  A9
C1B0 : 00 00 00 00 00 00 00 00  B1
C1B8 : E0 00 00 F8 00 00 FE 00  B3
C1C0 : 00 7F 00 00 7D 00 00 3E  D4
C1C8 : 00 00 37 00 00 1B 80 00  71
C1D0 : 01 C0 00 00 E0 00 00 40  C0
C1D8 : 00 00 00 00 00 00 00 00  D9
C1E0 : 00 00 00 00 00 00 00 00  E1
C1E8 : 00 00 00 00 00 00 00 00  E9
C1F0 : 00 00 00 00 00 00 00 00  F1
C1F8 : 00 00 00 00 00 00 00 00  F9
```

PROGRAM ADI: HESAP MAKİNESİ

```
00010 IF A=0 THEN A=A+1:LOAD"MOUSE.EXE",8,1      <038>
00020 SYS 49152                                  <078>
00030 GOSUB 3000                                 <002>
00040 DIM AR$(2),IS$(2),EK(2)                    <043>
00100 EK(1)=1:EK(2)=1                            <206>
00110 X=1:GOTO 1000:REM  A'YI AL                 <106>
00120 X=2:GOTO 1000:REM ---B'YI AL---            <091>
00130 GOSUB 2000:REM ---A=A(ISLEM)B---           <144>
00140 GOSUB 9000:REM ---SONUCU YAZ---            <165>
00150 IF IS$(2)="=" THEN 110                     <019>
```

```
00160 IS$(1)=IS$(2):GOTO 120                                    <155>
00999 END                                                       <239>
01000 REM ---A'YI AL---                                         <003>
01010 AR$(X)="0":RAKAM=0:NOKTA=0                                <084>
01020 GET Z$:GOSUB 7000:IF Z$="" THEN 1020                      <073>
01030 IF RAKAM=9 THEN 1050                                      <065>
01040 IF Z$>="0" AND Z$<"9" OR Z$="." THEN 1100:RE
      M ---SAYI---                                              <173>
01050 IF Z$="A" THEN 1200                                       <177>
01060 IF Z$="+" OR Z$="*" OR Z$="-" OR Z$="/" THEN
      1300:REM ---ISLEM---                                      <162>
01070 IF Z$="=" THEN 1400:REM ---ESITTIR---                     <006>
01080 IF Z$="N" THEN 1500:REM ---NEGATIFLE---                   <024>
01090 IF Z$="C" THEN 1600                                       <250>
01099 GOTO 1020                                                 <087>
01100 IF RAKAM=0 AND Z$="0" THEN 1900                           <104>
01110 IF RAKAM=0 THEN AR$(X)="0"                                <227>
01120 IF Z$="." AND NOKTA THEN 1160                             <032>
01130 RAKAM=RAKAM+1                                             <205>
01140 AR$(X)=AR$(X)+Z$                                          <112>
01150 IF Z$="." THEN NOKTA=1                                    <249>
01160 GOTO 1900                                                 <228>
01200 GOSUB 9800                                                <076>
01210 GOTO 1900                                                 <022>
01300 IF AR$(X)="0" THEN AR$(X)=EKRAN$                          <180>
01310 IS$(X)=Z$                                                 <206>
01320 ON XGOTO 120,130                                          <119>
01400 IF X=1 THEN 1010                                          <150>
01410 IF RAKAM=0 THEN AR$(X)=EKRAN$                             <071>
01420 IS$(2)="=":GOTO 130                                       <160>
01500 IF RAKAM=0 THEN AR$(X)=EKRAN$                             <161>
01510 IF VAL(AR$(X))=0 THEN 1020                                <103>
01520 EK(X)=-EK(X)                                              <230>
01530 GOTO 1900                                                 <088>
01600 AR$(X)="0":EK(X)=1:RAKAM=0:NOKTA=0:GOTO 1900              <034>
01900 REM  ---GIRILENI YAZ---                                   <032>
01910 IF VAL(AR$(X))>=-1 AND RAKAM=1 THEN AR$(X)=RIG
      HT$(AR$(X),LEN(AR$(X))-1):GOTO 1930                       <069>
01920 IF RAKAM=1 THEN RAKAM=2                                   <142>
01930 EKRAN$=AR$(X)                                             <110>
01940 GOSUB 9900:PRINT "<11SPACE>"                              <200>
01950 GOSUB 9900:PRINT SPC(10-LEN(AR$(X)))AR$(X)                <159>
01960 IF EK(X)=1 THEN GOSUB 9900:PRINT "-":GOTO 198
      0                                                         <199>
01970 GOSUB 9900:PRINT "-"                                      <035>
01980 GOTO 1020                                                 <206>
02000 REM ------ISLEMI YAP------                                <156>
02010 A1=EK(1)*VAL(AR$(1)):A2=EK(2)*VAL(AR$(2))                 <009>
02020 IF IS$(1)="+" THEN A1=A1+A2                               <217>
02030 IF IS$(1)="*" THEN A1=A1*A2                               <235>
02040 IF IS$(1)="-" THEN A1=A1-A2                               <005>
02050 IF IS$(1)="/" THEN IF A2<>0 THEN A1=A1/A2                 <185>
```

```
02060 IF IS$(1)="/" AND A2=0 THEN GOTO 9030                    <119>
02070 AR$(1)=STR$(ABS(A1)):EK(1)=SGN(A1):EK(2)=1               <142>
02080 AR$(1)=RIGHT$(AR$(1),LEN(AR$(1))-1):IF EK(1)=
      0 THEN EK(1)=1                                           <042>
02090 AR$(2)="0":RETURN                                        <115>
03000 POKE 53280,0 :POKE 53281,0 :PRINT CHR$(142
      )CHR$(147);                                              <187>
03010 PRINT :PRINT                                             <168>
03020 PRINT SPC(13)"<CTRL-2>                                   <241>
03030 PRINT SPC(13)"  <9SPACE>0                                <136>
03040 PRINT SPC(13)"                                           <063>
03050 PRINT SPC(13)"  7  8  9  CE  AC                          <036>
03060 PRINT SPC(13)"                                           <124>
03070 PRINT SPC(13)"  4  5  6  *  -  /                         <228>
03080 PRINT SPC(13)"                                           <177>
03090 PRINT SPC(13)"  1  2  3  <2SPACE>+<2SPACE>               <242>
03100 PRINT SPC(13)"                                           <032>
03110 PRINT SPC(13)"  0  .  N  <2SPACE>=<2SPACE>               <080>
03120 PRINT SPC(13)"                                           <001>
03130 RETURN                                                   <140>
07000 REM ----MOUSE INPUT----                                  <197>
07010 IF  PEEK(49579)=0 THEN RETURN                            <072>
07020 IF PEEK(49579)<>0 THEN 7020                              <185>
07030 Z=PEEK(49589):IF Z=5 THEN 7100:REM ---SATIR1
      --                                                       <054>
07040 IF Z=7 THEN 7200:REM ---SATIR2---                        <213>
07050 IF Z=9 THEN 7300:REM ---SATIR3---                        <065>
07060 IF Z=11 THEN 7400:REM ---SATIR4---                       <017>
07099 RETURN                                                   <043>
07100 Z=PEEK(49588):IF Z=14 THEN Z$="7"                        <129>
07110 IF Z=16 THEN Z$="8"                                      <241>
07120 IF Z=18 THEN Z$="9"                                      <140>
07130 IF Z=20 OR Z=21 THEN Z$="C"                              <076>
07140 IF Z=23 OR Z=24 THEN Z$="A"                              <042>
07150 RETURN                                                   <094>
07200 Z=PEEK(49588):IF Z=14 THEN Z$="4"                        <158>
07210 IF Z=16 THEN Z$="5"                                      <039>
07220 IF Z=18 THEN Z$="6"                                      <194>
07230 IF Z=20 THEN Z$="*"                                      <041>
07240 IF Z=22 THEN Z$="-"                                      <227>
07250 IF Z=24 THEN Z$="/"                                      <142>
07260 RETURN                                                   <206>
07300 Z=PEEK(49588):IF Z=14 THEN Z$="1"                        <072>
07310 IF Z=16 THEN Z$="2"                                      <091>
07320 IF Z=18 THEN Z$="3"                                      <246>
07330 IF Z>=20 AND Z<=24 THEN Z$="+"                           <000>
07340 RETURN                                                   <030>
07400 Z=PEEK(49588):IF Z=14 THEN Z$="0"                        <044>
07410 IF Z=16 THEN Z$="."                                      <126>
07420 IF Z=18 THEN Z$="N"                                      <011>
07430 IF Z>=20 AND Z<=24 THEN Z$="="                           <246>
07440 RETURN                                                   <132>
09000 EKRAN$=AR$(1)                                            <095>
```

```
09010 GOSUB 9900:PRINT "<11SPACE>"                          <158>
09020 IF LEN(EKRAN$)<10 THEN 9060                           <219>
09030 GOSUB 9900:PRINT "<9SPACE>OE"                         <054>
09040 GET Z$:GOSUB 7000:IF Z$<>"A" THEN 9040                <125>
09050 GOSUB 9900:PRINT "<9SPACE>O ":GOTO 9800               <221>
09060 GOSUB 9900:PRINT SPC(10-LEN(EKRAN$))EKRAN$            <213>
09070 IF EK(1)<1 THEN GOSUB 9900:PRINT "-":GOTO 909
      0                                                     <201>
09080 GOSUB 9900:PRINT " "                                  <228>
09090 RETURN                                                <002>
09800 REM ---HERSEYI TEMIZLE---                             <108>
09810 EK(1)=1:EK(2)=1:AR$(1)="O":AR$(2)="O":EKRAN$=
      "O":X=1:RAKAM=0:NOKTA=0                               <026>
09820 RETURN                                                <226>
09900 REM ---EKRAN ICI---                                   <206>
09910 PRINT "<HOME><3DOWN>"SPC(14);                         <101>
09920 RETURN                                                <070>
```

Window Wizard

Profesyonel sistemlerdeki window (pencere) komutunu Commodore 64'ünüzle de kullanmak isterseniz bu rogramı yazın. Ekran üzerinde pencere açma, kaydırma, kontrol ve düzenleme işlemlerine büyük kolaylık getiren bu program BASIC komutlarını değiştirdiğinden kendi programlarınız içinde de kullanabilirsiniz,a ncak önce Window Wizard'ı üklemeniz gerekir.

```
PROGRAM : WINDOW WIZARD   0801 1627
-----------------------------------

0801 : 18 08 90 15 9E 32 30 34  89
0809 : 39 20 50 48 41 4E 54 4F  E6
0811 : 4D 20 31 39 39 32 00 00  07
0819 : 00 28 A9 3F A2 08 85 FB  F8
0821 : 86 FC A9 00 A2 C0 85 FD  D2
0829 : 86 FE A2 0E A8 B1 FB 91  C4
0831 : FD C8 D0 F9 E6 FC E6 FE  F5
0839 : CA D0 F2 4C 00 C0 4C 88  FA
0841 : CD 01 AB 0F 45 00 06 0F  E6
0849 : 16 0C 01 01 01 00 20 23  9D
0851 : 23 A0 E0 13 0A 00 13 00  4C
0859 : 00 00 00 A5 7C C9 4C D0  F7
0861 : 03 4C 3F C0 A9 4C 85 7C  7E
0869 : A9 7A 85 7D A9 C0 85 7E  14
0871 : 78 A9 58 8D 18 03 A9 C0  47
0879 : 4C E0 CD 58 60 A9 C9 85  39
0881 : 7C A9 3A 85 7D A9 B0 85  04
```

```
0889 : 7E 78 A9 47 8D 18 03 A9 90
0891 : FE 4C E0 CD 58 60 48 8A 66
0899 : 48 98 48 78 20 BC F6 20 52
08A1 : E1 FF D0 08 68 A8 68 AA 7A
08A9 : 68 4C 66 FE 58 20 24 CB 5F
08B1 : 68 A8 68 AA 68 78 40 00 28
08B9 : 48 C9 21 D0 18 A5 7E C9 78
08C1 : 02 F0 12 A5 D4 D0 0E AD DC
08C9 : 79 C0 C9 A7 D0 04 A5 61 90
08D1 : F0 03 68 D0 10 68 C9 20 23
08D9 : F0 03 8D 79 C0 C9 3A 90 42
08E1 : 01 60 4C 80 00 20 73 00 04
08E9 : 48 20 73 00 F0 0C C9 2C 0D
08F1 : F0 08 C9 28 F0 04 C9 3A 27
08F9 : D0 EF 68 C9 9F F0 49 C9 4E
0901 : A0 F0 4B C9 44 F0 4D C9 BA
0909 : 99 F0 52 C9 86 F0 51 C9 B1
0911 : 96 F0 50 C9 A4 F0 4F C9 0F
0919 : 9C F0 4E C9 8C F0 50 C9 1F
0921 : 45 F0 4F C9 41 F0 4E C9 54
0929 : 94 F0 4D C9 93 F0 1F C9 93
0931 : 48 F0 4B C9 53 F0 59 C9 B3
0939 : 43 F0 46 C9 4D F0 45 C9 C4
0941 : 4B F0 44 C9 42 F0 43 60 C8
0949 : 20 DA CA 4C 55 C1 20 BE 74
0951 : C7 4C 55 C1 20 40 C5 20 27
0959 : 22 C8 4C 55 C1 4C CA C1 CA
0961 : 4C 6A C1 4C 8E C1 4C B2 6A
0969 : C1 20 F8 C1 4C 55 C1 4C C0
0971 : 58 C2 4C 93 C2 4C 43 C2 D1
0979 : 20 67 C7 4C 55 C1 4C AD B8
0981 : C2 4C FC C2 4C 25 C3 4C 96
0989 : 62 C3 20 C6 C5 4C 55 C1 45
0991 : 20 E5 C2 20 79 00 F0 0D CE
0999 : C9 3A F0 09 20 73 00 F0 5C
09A1 : 04 C9 3A D0 F7 4C 79 00 FA
09A9 : A9 00 8D 18 C0 20 40 C5 52
09B1 : AD 1A C0 D0 11 98 AC 18 6E
09B9 : C0 99 08 C0 EE 18 C0 AD 6E
09C1 : 18 C0 C9 04 90 E7 20 2A 49
09C9 : C4 4C 55 C1 A9 00 8D 18 42
09D1 : C0 20 40 C5 AD 1A C0 D0 BA
09D9 : 11 98 AC 18 C0 99 0C C0 EF
09E1 : EE 18 C0 AD 18 C0 C9 07 7E
09E9 : 90 E7 20 2A C4 4C 55 C1 42
09F1 : AD 0C C0 48 A9 01 8D 0C CE
09F9 : C0 20 40 C5 98 AA 20 9D 2D
0A01 : C4 68 8D 0C C0 4C 55 C1 25
0A09 : 20 40 C5 98 48 20 40 C5 E0
0A11 : 68 AA 18 20 F0 FF 20 40 E8
0A19 : C5 AD 04 C0 85 FB AD 05 C7
0A21 : C0 85 FC A0 FF C8 CC 06 7C
0A29 : C0 B0 08 B1 FB 20 D2 FF 86
```

```
0A31 : 4C E7 C1 4C 55 C1 EE 08  9A
0A39 : C0 EE 09 C0 AE 0A C0 CA  9F
0A41 : CA 8E 0A C0 AE 0B C0 CA  C9
0A49 : CA 8E 0B C0 AD 0F C0 48  1C
0A51 : AD 10 C0 8D 0F C0 AD 0D  B0
0A59 : C0 48 A9 00 8D 0D C0 20  2C
0A61 : C6 C5 68 8D 0D C0 68 8D  69
0A69 : 0F C0 AE 0B C0 E8 E8 8E  F9
0A71 : 0B C0 AE 0A C0 E8 E8 8E  DD
0A79 : 0A C0 CE 09 C0 CE 08 C0  DC
0A81 : 60 20 60 C4 20 82 C4 20  0B
0A89 : F8 C1 20 40 C5 20 22 C8  E9
0A91 : 20 EC CA 4C 55 C1 A9 9C  A7
0A99 : 8D 13 C0 A9 DC 8D 14 C0  21
0AA1 : A0 00 8C 03 C0 20 40 C5  5E
0AA9 : AD 1A C0 D0 21 C0 09 90  0B
0AB1 : 05 A2 0E 4C 37 A4 8C 03  E5
0AB9 : C0 AD 13 C0 18 69 04 8D  25
0AC1 : 13 C0 AD 14 C0 18 69 04  9D
0AC9 : 8D 14 C0 88 D0 EB 4C 55  EA
0AD1 : C1 20 92 C4 20 40 C5 98  2C
0AD9 : AA E0 19 90 05 A2 0E 4C  82
0AE1 : 37 A4 20 FF E9 20 19 CB  0E
0AE9 : 4C 55 C1 20 40 C5 8C 21  FB
0AF1 : D0 20 40 C5 AD 1A C0 D0  EA
0AF9 : 27 8C 20 D0 20 40 C5 AD  FF
0B01 : 1A C0 D0 1C 8C 86 02 A9  8B
0B09 : 00 85 FB A9 D8 85 FC A2  F3
0B11 : 04 A0 00 AD 86 02 91 FB  D2
0B19 : C8 D0 FB E6 FC CA D0 F6  7C
0B21 : 4C 55 C1 20 40 C5 98 48  B1
0B29 : 20 40 C5 AD 1A C0 F0 02  00
0B31 : A0 01 8C 1C C0 68 20 5F  87
0B39 : C9 60 20 40 C5 98 48 20  C5
0B41 : 40 C5 AD 06 C0 C9 29 90  B0
0B49 : 06 68 A2 17 4C 37 A4 38  90
0B51 : A9 28 ED 06 C0 4A A8 68  1C
0B59 : AA 18 20 F0 FF 4C DB C1  8B
0B61 : 4C 55 C1 20 60 C4 20 82  7E
0B69 : C4 20 67 C7 20 40 C5 20  6B
0B71 : C6 C5 20 22 C8 A9 00 85  4B
0B79 : C6 20 E4 FF F0 FB 48 20  D9
0B81 : 40 C5 A0 00 A9 01 91 47  43
0B89 : C8 B1 47 85 FB C8 B1 47  08
0B91 : 85 FC A0 00 68 91 FB 20  00
0B99 : EC CA 20 BE C7 4C 55 C1  82
0BA1 : A9 00 8D 76 03 8D 77 03  FD
0BA9 : 8D 78 03 AD 06 C0 48 20  B1
0BB1 : 40 C5 AD 1A C0 D0 19 8C  92
0BB9 : 76 03 20 40 C5 AD 1A C0  75
0BC1 : D0 0E 8C 77 03 20 40 C5  68
0BC9 : AD 1A C0 D0 03 8C 78 03  4A
0BD1 : AD 77 03 F0 03 8D 0A C0  5F
```

```
0BD9 : AD 78 03 F0 03 8D 0B C0  EC
0BE1 : AD 76 03 F0 1C C9 01 D0  5E
0BE9 : 03 CE 08 C0 C9 02 D0 03  63
0BF1 : EE 09 C0 C9 03 D0 03 EE  6E
0BF9 : 08 C0 C9 04 D0 03 CE 09  C7
0C01 : C0 68 8D 06 C0 20 2A C4  59
0C09 : 20 60 C4 20 82 C4 AD 13  BA
0C11 : C0 48 AD 14 C0 48 AD 03  EE
0C19 : C0 48 20 BE C7 68 8D 03  D9
0C21 : C0 68 8D 14 C0 68 8D 13  A7
0C29 : C0 AD 11 C0 48 AD 0D C0  C4
0C31 : 48 AD 0C C0 48 A2 01 8E  26
0C39 : 11 C0 CA 8E 0C C0 8E 0D  4A
0C41 : C0 8E 0D C0 AD 0A C0 8D  ED
0C49 : 15 C0 AD 0B C0 8D 16 C0  DD
0C51 : 20 09 C6 20 22 C8 68 8D  D1
0C59 : 0C C0 68 8D 0D C0 68 8D  25
0C61 : 11 C0 20 EC CA 4C 55 C1  60
0C69 : 18 AD 08 C0 6D 0B C0 6D  7F
0C71 : 0D C0 C9 1A B0 23 AD 09  81
0C79 : C0 6D 0A C0 C9 29 B0 19  65
0C81 : AD 0B C0 C9 02 90 12 AD  65
0C89 : 0A C0 C9 02 90 0B AD 0D  D8
0C91 : C0 F0 05 AD 09 C0 F0 01  1D
0C99 : 60 A2 0E 4C 37 A4 A2 00  7B
0CA1 : B5 FB 9D 5D 03 E8 E0 04  6A
0CA9 : D0 F6 B5 41 9D 5D 03 E8  2C
0CB1 : E0 08 D0 F6 A5 14 9D 5D  D4
0CB9 : 03 E8 A5 15 9D 5D 03 60  CE
0CC1 : A2 00 B5 D9 9D DE 03 09  FB
0CC9 : 80 95 D9 E8 E0 19 D0 F2  A7
0CD1 : 38 20 F0 FF 8E 6F 03 8C  DF
0CD9 : 70 03 60 AD 0C C0 F0 2D  7D
0CE1 : A9 F0 8D 06 D4 A9 08 8D  FC
0CE9 : 0F D4 A9 81 8D 12 D4 A9  0D
0CF1 : 0F 8D 18 D4 A9 17 8D 04  F9
0CF9 : D4 AD 1B D4 8D 01 D4 20  7A
0D01 : CF C4 A2 18 A9 00 9D 00  EF
0D09 : D4 CA D0 FA 60 20 B3 EE  89
0D11 : CA D0 FA 60 A9 00 85 FB  B7
0D19 : AD 88 02 85 FC A9 00 85  64
0D21 : FD A9 D8 85 FE AC 08 C0  D1
0D29 : C8 88 F0 09 20 10 C5 20  6C
0D31 : 1C C5 4C EB C4 18 A5 FB  5C
0D39 : 6D 09 C0 85 FB 90 02 E6  26
0D41 : FC 18 A5 FD 6D 09 C0 85  A0
0D49 : FD 90 02 E6 FE 60 18 A5  8A
0D51 : FB 69 28 85 FB 90 02 E6  D6
0D59 : FC 60 18 A5 FD 69 28 85  17
0D61 : FD 90 02 E6 FE 60 18 A5  A2
0D69 : 45 69 28 85 45 90 02 E6  CC
0D71 : 46 60 18 A5 47 69 28 85  0E
0D79 : 47 90 02 E6 48 60 A0 00  70
```

```
0D81 : 8C 06 C0 8C 1A C0 B1 7A  35
0D89 : C9 2C F0 09 C9 28 F0 05  71
0D91 : C8 8C 1A C0 60 20 73 00  13
0D99 : B1 7A C9 22 D0 32 20 73  44
0DA1 : 00 A6 7A A4 7B 8E 04 C0  E5
0DA9 : 8C 05 C0 A0 FF A2 00 C8  A3
0DB1 : B1 7A C9 22 F0 F9 C9 00  5C
0DB9 : F0 08 C9 3A F0 04 E8 4C  D2
0DC1 : 71 C5 8E 06 C0 20 73 00  54
0DC9 : F0 04 C9 3A D0 F7 38 60  E3
0DD1 : C9 3A B0 08 20 9E AD 20  D2
0DD9 : AA B1 18 60 20 8B B0 A5  DA
0DE1 : 0D F0 15 A0 00 B1 47 8D  85
0DE9 : 06 C0 C8 B1 47 8D 04 C0  2A
0DF1 : C8 B1 47 8D 05 C0 38 60  0D
0DF9 : A5 47 A4 48 20 A2 BB 20  BA
0E01 : AA B1 18 60 A9 01 8D 15  99
0E09 : C0 8D 16 C0 A9 00 8D 19  30
0E11 : C0 A9 00 8D 6D 03 AD 15  27
0E19 : C0 CD 0A C0 B0 06 EE 15  7C
0E21 : C0 EE 6D 03 AD 16 C0 CD  3E
0E29 : 0B C0 B0 06 EE 16 C0 EE  02
0E31 : 6D 03 AD 6D 03 F0 0F 20  6D
0E39 : 09 C6 AE 12 C0 20 CF C4  69
0E41 : 20 07 C7 4C CE C5 60 20  3D
0E49 : D6 C4 A2 01 A0 00 E0 01  DA
0E51 : F0 66 38 8A ED 16 C0 C9  FA
0E59 : FF D0 05 A9 00 8D 19 C0  89
0E61 : EC 16 C0 90 03 4C C2 C6  C6
0E69 : C0 00 F0 1C 38 98 ED 15  13
0E71 : C0 C9 FF F0 24 AD 19 C0  C9
0E79 : D0 0A AD 10 C0 91 FB AD  A0
0E81 : 0E C0 91 FD C8 4C 2A C6  38
0E89 : AD 0F C0 D0 02 A9 74 91  6A
0E91 : FB AD 0E C0 91 FD C8 D0  CC
0E99 : CF 88 AD 10 C0 91 FB C8  34
0EA1 : AD 0F C0 D0 02 A9 6A 91  5A
0EA9 : FB AD 0E C0 91 FD E8 20  03
0EB1 : 10 C5 20 1C C5 4C 0E C6  B4
0EB9 : C0 00 F0 1B 38 98 ED 15  43
0EC1 : C0 C9 FF F0 23 AD 0F C0  E1
0EC9 : D0 02 A9 77 91 FB AD 0E  BF
0ED1 : C0 91 FD C8 4C 7A C6 AD  01
0ED9 : 0F C0 D0 02 A9 4F 91 FB  10
0EE1 : AD 0E C0 91 FD C8 D0 D0  03
0EE9 : AD 0F C0 D0 02 A9 50 91  3A
0EF1 : FB AD 0E C0 91 FD E8 20  4B
0EF9 : 10 C5 20 1C C5 4C 0E C6  FC
0F01 : C0 00 F0 1B 38 98 ED 15  8B
0F09 : C0 C9 FF F0 23 AD 0F C0  29
0F11 : D0 02 A9 6F 91 FB AD 0E  06
0F19 : C0 91 FD C8 4C C2 C6 AD  8C
0F21 : 0F C0 D0 02 A9 4C 91 FB  40
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0F29 : AD 0E C0 91 FD C8 D0 D0  4B
0F31 : AD 0F C0 D0 02 A9 7A 91  2A
0F39 : FB AD 0E C0 91 FD 20 10  50
0F41 : C5 20 1C C5 60 CE 15 C0  28
0F49 : AD 0D C0 F0 54 38 A5 FB  61
0F51 : E9 01 85 45 A5 FC E9 00  AF
0F59 : 85 46 38 A5 FD E9 01 85  02
0F61 : 47 A5 FE E9 00 85 48 A0  06
0F69 : 00 B1 45 09 80 91 45 A9  B1
0F71 : 00 91 47 C8 CC 15 C0 90  BE
0F79 : F0 F0 EE 38 A5 45 E9 28  20
0F81 : 85 45 A5 46 E9 00 85 46  1C
0F89 : 38 A5 47 E9 28 85 47 A5  BA
0F91 : 48 E9 00 85 48 A0 00 B1  6C
0F99 : 45 09 80 91 45 A9 00 91  7A
0FA1 : 47 EE 15 C0 60 AD 13 C0  FE
0FA9 : C9 BC B0 12 18 69 04 8D  37
0FB1 : 13 C0 AD 14 C0 18 69 04  8D
0FB9 : 8D 14 C0 EE 03 C0 A9 00  3B
0FC1 : 85 FB AD 88 02 85 FC A9  54
0FC9 : 00 85 FD AD 13 C0 85 FE  0C
0FD1 : A9 00 85 45 A9 D8 85 46  88
0FD9 : A9 00 85 47 AD 14 C0 85  56
0FE1 : 48 A2 04 A0 00 B1 FB 91  30
0FE9 : FD B1 45 91 47 C8 D0 F5  2C
0FF1 : E6 FC E6 FE E6 46 E6 48  BB
0FF9 : CA D0 EA 60 AD 13 C0 C9  FC
1001 : A0 90 5C A9 00 AE 88 02  D1
1009 : 85 FD 86 FE A9 00 A2 D8  E5
1011 : 85 47 86 48 A9 00 AE 13  60
1019 : C0 85 FB 86 FC AE 14 C0  83
1021 : 85 45 86 46 A2 04 A0 00  80
1029 : 78 A9 34 85 01 B1 FB 91  E4
1031 : FD B1 45 48 A9 37 85 01  CE
1039 : 58 68 91 47 C8 D0 E9 E6  9B
1041 : FC E6 FE E6 46 E6 48 CA  9F
1049 : D0 DE AD 13 C0 38 E9 04  D4
1051 : 8D 13 C0 AD 14 C0 38 E9  4A
1059 : 04 8D 14 C0 CE 03 C0 60  0A
1061 : AE 0B C0 CA CA 8E 16 C0  19
1069 : AE 0A C0 CA CA CA 8E 15  0D
1071 : C0 20 FB C8 A9 00 8D 6B  01
1079 : 03 AD 04 C0 85 FB 8D 74  C3
1081 : 03 AD 05 C0 85 FC 8D 75  16
1089 : 03 20 15 C9 AD 6B 03 F0  3F
1091 : 01 60 A2 00 8E 18 C0 E8  E9
1099 : 8E 6C 03 AC 18 C0 CC 15  99
10A1 : C0 B0 3A A0 00 B1 FB C9  6D
10A9 : 0D D0 07 A2 00 86 C7 4C  20
10B1 : D6 C8 48 20 D2 FF AE 11  0B
10B9 : C0 20 9D C4 68 C9 20 90  00
10C1 : 07 C9 80 B0 03 EE 18 C0  6D
10C9 : 20 3E C9 AD 6B 03 F0 CB  5A
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10D1 : AD 74 03 8D 04 C0 AD 75  13
10D9 : 03 8D 05 C0 60 A0 00 B1  6B
10E1 : FB C9 20 F0 1F 90 09 C9  15
10E9 : 80 B0 05 A9 9D 20 D2 FF  5E
10F1 : 20 2A C9 CE 18 C0 D0 E5  09
10F9 : AE 15 C0 CA 20 3E C9 CA  6C
1101 : D0 FA F0 10 20 D2 FF A9  78
1109 : A0 EE 18 C0 AC 18 C0 CC  67
1111 : 15 C0 90 F0 A9 00 8D 18  C9
1119 : C0 AE 6C 03 EC 16 C0 90  4F
1121 : 06 EE 6B 03 4C 8A C8 EE  F4
1129 : 6C 03 A6 C7 A9 0D 20 D2  E2
1131 : FF 86 C7 20 08 C9 4C 8A  7E
1139 : C8 18 AE 08 C0 E8 AC 09  D2
1141 : C0 C8 20 F0 FF 60 38 20  B0
1149 : F0 FF 18 AC 09 C0 C8 20  CE
1151 : F0 FF 60 18 AD 04 C0 6D  35
1159 : 06 C0 85 FD AD 05 C0 6D  C1
1161 : 07 C0 85 FE 20 51 C9 60  7E
1169 : 38 A5 FB E9 01 85 FB 8D  F7
1171 : 04 C0 A5 FC E9 00 85 FC  8D
1179 : 8D 05 C0 60 18 A5 FB 69  36
1181 : 01 85 FB 8D 04 C0 A5 FC  CC
1189 : 69 00 85 FC 8D 05 C0 A5  43
1191 : FB C5 FD A5 FC E5 FE 90  BF
1199 : 03 EE 6B 03 60 8D 1B C0  AF
11A1 : EE 08 C0 EE 09 C0 AE 0B  09
11A9 : C0 CA CA 8E 0B C0 AE 0A  D8
11B1 : C0 CA CA 8E 0A C0 20 D6  30
11B9 : C4 AD 0B C0 8D 16 C0 AD  17
11C1 : 0A C0 8D 15 C0 AD 1C C0  9D
11C9 : F0 1C CE 1C C0 AD 1B C0  66
11D1 : C9 01 F0 29 C9 02 F0 71  CF
11D9 : C9 03 D0 03 4C 31 CA C9  C5
11E1 : 04 D0 03 4C 58 CA AE 0A  73
11E9 : C0 E8 E8 8E 0A C0 AE 0B  A1
11F1 : C0 E8 E8 8E 0B C0 CE 08  33
11F9 : C0 CE 09 C0 60 CE 16 C0  D1
1201 : A5 FB 85 45 A5 FC 85 46  93
1209 : A5 FD 85 47 A5 FE 85 48  F0
1211 : 20 10 C5 20 1C C5 A2 00  29
1219 : A0 00 B1 FB 91 45 B1 FD  AB
1221 : 91 47 C8 CC 15 C0 D0 F2  A2
1229 : 20 10 C5 20 1C C5 20 28  87
1231 : C5 20 34 C5 E8 EC 16 C0  9C
1239 : D0 DE A9 20 A0 00 91 45  C2
1241 : C8 CC 15 C0 D0 F8 4C 78  C4
1249 : C9 AE 16 C0 AC 15 C0 88  8E
1251 : 88 B1 FB 48 B1 FD C8 91  0B
1259 : FD 68 91 FB 88 D0 F1 A9  98
1261 : 20 91 FB 20 10 C5 20 1C  35
1269 : C5 CA D0 E0 4C 78 C9 20  D3
1271 : 85 CA AE 16 C0 CA AC 15  09
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1279 : C0 88 B1 45 91 FB B1 47  E1
1281 : 91 FD 88 10 F5 20 AD CA  E2
1289 : CA D0 EB AC 15 C0 88 A9  19
1291 : 20 91 FB 88 10 FB 4C 78  8D
1299 : C9 CE 15 C0 AE 16 C0 A0  07
12A1 : 00 C8 B1 FB 48 B1 FD 88  0C
12A9 : 91 FD 68 91 FB C8 CC 15  E8
12B1 : C0 D0 EE A9 20 91 FB 20  89
12B9 : 10 C5 20 1C C5 CA D0 DF  ED
12C1 : 4C 78 C9 AE 16 C0 CA 20  64
12C9 : 10 C5 20 1C C5 CA D0 F7  2D
12D1 : 38 A5 FB E9 28 85 45 A5  27
12D9 : FC E9 00 85 46 38 A5 FD  33
12E1 : E9 28 85 47 A5 FE E9 00  23
12E9 : 85 48 60 38 A5 FB E9 28  E4
12F1 : 85 FB B0 02 C6 FC 38 A5  61
12F9 : FD E9 28 85 FD B0 02 C6  A1
1301 : FE 38 A5 45 E9 28 85 45  AE
1309 : B0 02 C6 46 38 A5 47 E9  D6
1311 : 28 85 47 B0 02 C6 48 60  1C
1319 : 20 60 C4 20 82 C4 20 67  3C
1321 : C7 20 40 C5 20 C6 C5 20  51
1329 : 22 C8 A2 00 BD 5D 03 95  56
1331 : FB E8 E0 04 D0 F6 BD 5D  CF
1339 : 03 95 41 E8 E0 08 D0 F6  F4
1341 : BD 5D 03 85 14 E8 BD 5D  59
1349 : 03 85 15 A2 00 BD DE 03  18
1351 : 95 D9 E8 E0 19 D0 F6 18  4D
1359 : AE 6F 03 AC 70 03 20 F0  97
1361 : FF 60 A9 3D 85 FB A9 CB  19
1369 : 85 FC A0 00 B1 FB F0 0A  67
1371 : 20 D2 FF C8 D0 F6 E6 FC  6E
1379 : D0 F2 60 93 20 20 20 20  11
1381 : 20 57 49 4E 44 4F 57 20  C5
1389 : 57 49 5A 41 52 44 20 A0  4D
1391 : A0 20 A0 A0 A0 20 A0 A0  4C
1399 : A0 A0 A0 A0 A0 0D 21 4F  5B
13A1 : 50 45 4E 2C 53 24 0D 21  7A
13A9 : 43 4C 4F 53 45 0D 21 44  1A
13B1 : 49 4D 28 52 2C 43 2C 57  31
13B9 : 2C 48 29 0D 21 44 45 46  CB
13C1 : 28 54 4F 4E 45 2C 33 44  BC
13C9 : 2C 48 55 45 2C 42 43 48  8A
13D1 : 52 2C 49 43 48 52 2C 4C  54
13D9 : 52 41 54 45 2C 42 52 41  2A
13E1 : 54 45 29 0D 20 5B 54 4F  91
13E9 : 4E 45 20 20 31 3D 4F 4E  BD
13F1 : 20 4F 3D 4F 46 46 5D 20  3E
13F9 : 5B 33 44 20 20 20 20 31  E9
1401 : 3D 4F 4E 20 30 3D 4F 46  34
1409 : 46 5D 0D 21 52 45 53 54  AB
1411 : 4F 52 45 28 53 43 52 45  03
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1419 : 45 4E 29 0D 21 43 4C 52  73
1421 : 0D 21 41 47 41 49 4E 2C  E8
1429 : 53 24 0D 21 44 49 53 50  72
1431 : 4C 41 59 2C 53 24 0D 21  C7
1439 : 42 4F 58 0D 21 50 52 49  4B
1441 : 4E 54 40 2C 52 2C 43 2C  3B
1449 : 53 24 0D 21 43 45 4E 54  56
1451 : 45 52 2C 52 2C 53 24 0D  1D
1459 : 21 48 55 45 28 42 41 43  BC
1461 : 4B 47 52 4F 55 4E 44 2C  00
1469 : 42 4F 52 44 45 52 2C 54  B0
1471 : 45 58 54 29 0D 21 54 4F  E6
1479 : 4E 45 2C 44 55 52 41 54  93
1481 : 49 4F 4E 0D 21 53 41 56  05
1489 : 45 0D 21 4C 4F 41 44 0D  51
1491 : 21 45 52 41 53 45 2C 52  C6
1499 : 4F 57 0D 21 53 43 52 4F  33
14A1 : 4C 4C 28 44 49 52 45 43  69
14A9 : 54 49 4F 4E 2C 41 4D 4F  E0
14B1 : 55 4E 54 29 0D 20 5B 55  52
14B9 : 50 3D 31 20 52 49 47 48  15
14C1 : 54 3D 32 20 44 4F 57 4E  FD
14C9 : 3D 33 20 4C 45 46 54 3D  84
14D1 : 34 5D 0D 21 4B 49 4E 45  DE
14D9 : 54 49 43 28 44 49 52 45  0A
14E1 : 43 54 49 4F 4E 2C 4E 45  95
14E9 : 57 20 57 2C 4E 45 57 20  58
14F1 : 48 29 0D 21 4D 45 4E 55  18
14F9 : 2C 4D 24 2C 4B 24 0D 00  65
1501 : 2C 00 00 00 00 00 20 20  EE
1509 : 20 03 2D 36 34 20 09 03  2B
1511 : 09 0E 20 02 01 13 09 03  3D
1519 : 20 05 18 14 05 0E 13 09  64
1521 : 0F 0E 20 13 05 0B 0C 09  8D
1529 : 0E 04 05 20 20 20 20 20  43
1531 : 20 20 17 09 0E 04 0F 17  B4
1539 : 20 0B 0F 0D 15 14 0C 01  69
1541 : 12 09 20 05 0B 0C 05 19  D8
1549 : 05 0E 20 15 14 09 0C 09  CC
1551 : 14 19 20 20 20 20 20 0E  9E
1559 : 0F 14 3A 0B 0F 0D 15 14  38
1561 : 0C 01 12 20 10 12 0F 07  52
1569 : 12 01 0D 20 09 03 09 0E  2C
1571 : 04 05 20 08 15 0C 0C 01  45
1579 : 0E 09 0C 09 12 20 20 20  13
1581 : 28 03 29 20 31 39 39 32  9F
1589 : 20 2D 20 17 12 09 14 14  0D
1591 : 05 0E 20 02 19 20 3A 20  A1
1599 : 09 13 0D 01 09 0C 20 13  27
15A1 : 01 08 09 0E 20 20 20 20  6E
15A9 : 20 20 20 20 20 20 20 20  A9
15B1 : 2D 2D 2D 20 20 10 12 05  99
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15B9 : 13 13 20 13 10 01 03 05  DF
15C1 : 20 20 2D 2D 2D 20 A9 93  84
15C9 : 20 D2 FF A2 00 BD C8 CC  51
15D1 : 9D 00 04 E8 E0 BF D0 F5  C8
15D9 : 20 E4 FF C9 20 D0 F9 20  55
15E1 : 24 CB A2 00 BD BD CD C9  28
15E9 : 00 F0 06 20 D2 FF E8 D0  59
15F1 : F3 20 E4 FF C9 20 D0 E9  02
15F9 : 4C 1D C0 20 20 20 20 20  CC
1601 : 20 20 20 20 20 2D 2D 2D  B8
1609 : 20 20 50 52 45 53 53 20  14
1611 : 53 50 41 43 45 20 20 2D  75
1619 : 2D 2D 00 50 48 41 8D 19  DE
1621 : 03 58 4C 74 A4 00 00 00  3C
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```
PROGRAM ADI : WINDOW.DEMO

00000 REM  WINDOW WIZARD DEMO                                    <182>
00010 REM  (C) 1992 BY ISMAIL SAHIN                              <163>
00020 PRINT "<CLR>";:!HUE(6,6,14):FOR I=0 TO 23                  <144>
00030 PRINT "<4SPACE>WINDOW WIZARD<5SPACE>WINDOW WI
      ZARD":NEXT                                                 <250>
00040 PRINT "<4SPACE>WINDOW WIZARD<5SPACE>WINDOW WI
      ZARD<CTRL-4>";:!RESTORE                                    <093>
00050 !DEF (1,0,1,0,32,50,50):!DIM (4,20,19,15)                  <085>
00060 A$="WELCOME TO THE WONDERFUL WORLD OF WINDOW
      WIZARD"+CHR$(13)+CHR$(13)                                  <102>
00070 A$=A$+"<C=8>PREPARE TO BE<2SPACE>BEWILDERED A
      ND AMAZED BY THE POWER OF YOUR C-64...<CTRL-4
      >"                                                         <149>
00080 A$=A$+CHR$(13)+CHR$(13)+" PRESS THE SPACE<2SP
      ACE>BAR TO CONTINUE "                                      <240>
00090 !OPEN ,A$                                                  <205>
00100 GOSUB 1110:!DIM (8,3,30,10)                                <063>
00110 A$="WITH WIZARD, YOU CAN PRINT ANY MESSAGE (U
      P TO 255 CHARACTERS) IN<2SPACE>A "                         <017>
00120 A$=A$+"MAGIC WINDOW. AND WAIT TIL YOU SEE WHA
      T CAN BE DONE WITH THE WINDOW"                             <240>
00130 !OPEN ,A$                                                  <245>
00140 GOSUB 1110:!DEF (1,0,10,102,32):!DIM (14,12,2
      5,9)                                                       <153>
00150 A$="<CTRL-8>YOU CAN, FOR EXAMPLE, CHANGE EITH
      ER THE COLOR OF THE WINDOW<2SPACE>OR THE"                  <026>
00160 A$=A$+" CHARACTER USED<2SPACE>FOR THE BORDER
      OF THE WINDOW.<CTRL-4>":!OPEN ,A$                          <188>
00170 GOSUB 1110:!DEF (0,0,1,0,32,35,35):!DIM (1,18
      ,14,14)                                                    <009>
00180 A$="AS YOU CAN HEAR, THE PRINTING CAN BE DONE
       WITH OR WITHOUT SOUND."                                   <013>
00190 !OPEN ,A$                                                  <049>
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00200 GOSUB 1110:!DEF (1,0,1,0,32,1,1):!DIM (10,5,2
      5,6)                                          <191>
00210 A$="AND YOU CAN VARY THE SPEED BOTH FOR THE W
      INDOW AND THE PRINTING."                      <067>
00220 !OPEN ,A$                                     <079>
00230 GOSUB 1110:!DEF (1,1,1,0,32,25,25):!DIM (2,2,
      24,10)                                        <086>
00240 A$="NOTICE THE THREE DIMENSIONAL EFFECT OF TH
      IS WINDOW? THAT'S JUST ONE "                  <224>
00250 A$ A$+"OF THE MANY EFFECT AT YOUR COMMAND.":!
      OPEN ,A$                                      <254>
00260 GOSUB 1110:A$="AND YOU CAN REUSE A WINDOW WHE
      NEVER YOU WISH..."!AGAIN,A$                   <130>
00270 GOSUB 1110:!DEF (1,1,1,160,160,25,25):!DIM (6
      ,20,18,12)                                    <103>
00280 A$="<RVSON><CTRL-2>YOU CAN CHANGE INTERIOR OF
       THE WINDOW, TOO.<RVSOFF><CTRL-4>":!OPEN ,A$  <043>
00290 GOSUB 1110:!DEF (1,0,0,0,32,5,50):!DIM (0,0,4
      0,25)                                         <073>
00300 A$=CHR$(13)+"AND FOR THE REAL KICKER --"+CHR$
      (13)+CHR$(13)                                 <065>
00310 A$=A$+"<CTRL-4> VERY SLOWLY NOW, PRESS SPACE
      BAR EIGHT TIMES<2SPACE>"                      <113>
00320 A$=A$+"TO STEP <C-8>BACKWARDS<CTRL-4> THROUGH
       THE WINDOWS.":!OPEN ,A$                      <056>
00330 FOR I=1 TO 8                                  <050>
00340 GOSUB 1110                                    <090>
00350 !CLOSE :NEXT I                                <046>
00360 !DIM (6,15,22,12):!DEF (1,1,1,0,32,35,35)     <103>
00370 A$="OF COURSE, THERE ARE MANY MORE COMMANDS A
      VAILABLE THROUGH WINDOW<2SPACE>"              <145>
00380 A$ A$+"WIZARD. FOR EXAMPLE, PRESS THE SPACE B
      AR TO '!SAVE' "                               <122>
00390 A$=A$+"THE SCREEN...":!OPEN ,A$               <178>
00400 GOSUB 1110:!SAVE:A$="PRESS IT AGAIN TO CLEAR
      THE SCREEN...":!AGAIN,A$                      <180>
00410 GOSUB 1110:PRINT "<HOME>"                     <247>
00420 A$="AND NOW PRESS IT ONCE MORE TO '!LOAD' THE
      <2SPACE>SCREEN WE SAVED<2SPACE>BEFORE..."     <089>
00430 !AGAIN,A$                                     <145>
00440 GOSUB 1110:!LOAD:FOR I=1 TO 500:NEXT          <237>
00450 A$="AND WE'RE RIGHT BACK WHERE WE STARTED FRO
      M..."                                         <067>
00460 !AGAIN,A$:FOR I=1 TO 2000:NEXT :!CLOSE        <183>
00470 !RESTORE:!DEF (0,1,1,0,32,10,20):!DIM (4,4,22
      ,12)                                          <129>
00480 A$="WHAT ARE SOME OF THE OTHER COMMANDS AVAIL
      ABLE?":!OPEN ,A$                              <119>
00490 FOR I=1 TO 2000:NEXT                          <024>
00500 A$="WELL, YOU CAN USE WIZARD'S '!TONE' COMMAN
      D FOR YOUR OWN PURPOSES."                     <091>
00510 A$=A$+CHR$(13)+"PRESS THE SPACE BAR TO HEAR I
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      T (PRESS <C=8>RETURN<CTRL-4> TO MOVE ON)"                    <198>
00520 !AGAIN,A$                                                    <237>
00530 GET K$:IF K$="" THEN 530                                     <044>
00540 IF K$=CHR$(13) THEN 570                                      <002>
00550 IF K$<>CHR$(32) THEN 530                                     <092>
00560 ! TO NE,80:GOTO 530                                          <060>
00570 A$="AND YOU HAVE TOTAL<2SPACE>SCROLLING OF AN
      Y AREA OF THE SCREEN, AS WELL."                              <031>
00580 A$=A$+"PRESS THE NUMBERS 1 TO 4 TO SEE WHAT I
      <2SPACE>MEAN (OR PRESS <C=8>RETURN<CTRL-4> TO
      "                                                            <220>
00590 A$=A$+" MOVE ON).":!AGAIN,A$                                 <087>
00600 GET K$:IF K$="" THEN 600                                     <210>
00610 IF K$=CHR$(13) THEN 660                                      <056>
00620 IF K$<"1" OR K$>"4" THEN 600                                 <114>
00630 K=VAL(K$)                                                    <170>
00640 T=12:IF K/2=INT(K/2) THEN T=22                               <226>
00650 FOR I=1 TO T:!SCROLL,K,1:FOR J=I TO 50:NEXT :
      NEXT :GOTO 570                                               <235>
00660 A$="<CTRL-4>AND THE '!ERASE' COMMAND WILL ERA
      SE ANY ROW YOU DIRECT."+CHR$(13)                             <104>
00670 A$=A$+"PRESS A NUMBER KEY AND WE'LL ERASE THA
      T ROW..."                                                    <212>
00680 A$=A$+" (OR PRESS <C=8>RETURN<CTRL-4> TO MOVE
       ON)"                                                        <128>
00690 !AGAIN,A$                                                    <151>
00700 K$="":GET K$:IF K$="" THEN 700                               <003>
00710 IF K$=CHR$(13) THEN 740                                      <108>
00720 IF K$<"0" OR K$>"9" THEN 700                                 <153>
00730 L=VAL(K$):!ERASE,L:GOTO 700                                  <116>
00740 !CLOSE :!DIM (12,4,30,7)                                     <166>
00750 A$="AND NOW WE NEED TO<2SPACE>MOVE OUR WINDOW
      <2SPACE>DOWN HERE TO SHOW YOU THE TEXT"                      <050>
00760 A$=A$+" WIZARD COMMAND...":!OPEN ,A$:FOR I=1
      TO 1500:NEXT                                                 <051>
00770 A$="LET'S CLEAR THE TOP OF THE SCREEN WITH OU
      R '!ERASE' COMMAND..."                                       <138>
00780 !AGAIN,A$:FOR I=0 TO 11:!ERASE,I:NEXT :FOR I=
      1 TO 2000:NEXT                                               <141>
00790 A$="AND NOW WE'LL EXAMINE YET ANOTHER COMMAND
      ...":!AGAIN,A$                                               <147>
00800 FOR I=1 TO 2000:NEXT :!CENTER,3,"NOTICE HOW"                 <104>
00810 !CENTER,4,"THESE THREE<2SPACE>LINES ARE ALL":
      !CENTER,5,"CENTERED?"                                        <039>
00820 A$="IT WAS DONE WITH WIZARD'S '!CENTER' COMMA
      ND.":!AGAIN,A$                                               <243>
00830 FOR I=1 TO 3000:NEXT :!CLOSE :!RESTORE:!DIM (
      0,1,38,5)                                                    <018>
00840 A$="YOU MAY DISCOVER THAT WIZARD'S '!BOX' COM
      MAND WILL COME IN HANDY..."                                  <221>
00850 !OPEN ,A$:FOR I=1 TO 1500:NEXT :!DEF (0,0,0,0
      ,32,20,15):!DIM (7,1,18.10):!BOX                             <255>
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```
00860 !DIM (7,21,18,10):!BOX:!DIM (18,1,12,6):!BOX:
      !DIM (18,14,12,6):!BOX                          <200>
00870 !DIM (18,27,12,6):FOR I=1 TO 2000:NEXT :!CLOS
      E :!RESTORE                                     <166>
00880 !DEF (1,1,1,0,32,35,35):!DIM (1,20,19,8)        <127>
00890 A$="AND YOU CAN USE THE '!KINETIC' COMMAND TO
      <2SPACE>MOVE WINDOWS...":!OPEN ,A$              <013>
00900 FOR I=1 TO 1500:NEXT :FOR I=1 TO 12:!KINETIC(
      3,0,0):!KINETIC(4,0,0):NEXT                     <187>
00910 A$="AND, USING THE SAME COMMAND, YOU CAN CONT
      ROL THE SIZE OF ANY OF "                        <013>
00920 A$=A$+"YOUR MAGIC WINDOWS...":!AGAIN,A$:FOR I
      =1 TO 1500:NEXT                                 <211>
00930 FOR I=1 TO 12:J=19+I:K=8+I:!KINETIC(1,J,K):NE
      XT :!DIM (10,5,30,9)                            <143>
00940 A$="THERE ARE ALSO COMMANDS LIKE '!RESTORE',
      '!PRINT§', AND '!DISPLAY'."                     <194>
00950 A$=A$+CHR$(13)+CHR$(13)+"BUT THE LAST ONE WE'
      LL DEMONSTRATE "                                <119>
00960 A$=A$+"IS THE '!MENU' COMMAND. IT'S A HANDY O
      NE.":!OPEN ,A$                                  <006>
00970 FOR I=1 TO 1500:NEXT :R$=CHR$(13):M$="<5SPACE
      >MENU"+R$+R$                                    <061>
00980 M$=M$+"1.<2SPACE>THIS IS AN"+R$:M$=M$+"2.<2SP
      ACE>AN EXAMPLE OF"+R$+"3.<2SPACE>A WINDOW"+R$
                                                      <043>
00990 M$=M$+"4.<2SPACE>GENERATED"+R$+"5.<2SPACE>MEN
      U":M$=M$+R$+"6.<2SPACE>PRESS A KEY"             <133>
01000 !DEF (1,1,0,0,32,10,30):!DIM (5,16,22,11):!ME
      NU,M$,K$:!DIM (16,5,35,6)                       <204>
01010 !DEF (1,1,1,0,32,10,10)                         <246>
01020 A$="YOU JUST PRESSED THE '"+K$+"' KEY."+CHR$(
      13)                                             <253>
01030 IF K$<"1" OR K$>"6" THEN A$=A$+"THAT WASN'T E
      VEN<2SPACE>ON THE MENU"                         <147>
01040 !OPEN ,A$:FOR I=1 TO 2000:NEXT :!DIM (3,1,20,
      20)                                             <234>
01050 A$="<C=8>SYS 49152<CTRL-4><2SPACE>ACTS AS A T
      OGGLE SWITCH. IF WIZARD IS OFF, IT WILL "       <009>
01060 A$=A$+"TURN IT ON AND<2SPACE>IF WIZARD IS ON
      IT WILL TURN IT OFF."+R$+R$                     <087>
01070 A$=A$+"TAPPING <C=8>RESTORE<CTRL-4> WILL GIVE
       YOU A FULL PAGE REWIEW OF ALL 19 OF "          <174>
01080 A$=A$+"WIZARD'S COMMANDS"+R$                    <038>
01090 A$=A$+"<C=8>PRESS THE SPACE BAR TO END THIS D
      EMONSTRATION.<CTRL-4>":!OPEN ,A$                <048>
01100 GOSUB 1110:PRINT "<HOME>":END                   <098>
01110 K$="":GET K$:IF K$="" THEN 1110                 <173>
01120 RETURN                                          <162>
```

Big Room

Oyun BASIC ile yazılmıştır. Oyunda yapmanız gereken çeşitli odalarda bulunan eşyaları toplamaktır. Almak istediğiniz bir şeyi alırken örnek/? gibiyse soru işaretini al şeklinde yazmalıyız. Odadaki kapılardan bir tanesi bir sonraki odaya açılır. Diğer odaya açılır, öteki kapılar ya da odaya ya da bir önceki odaya açılır. Aldığınız her şey farklı miktarda puan kazandırır.

```
PROGRAM ADI : BIG ROOM

00005 GOSUB  60000                                          <025>
00010 PRINT "<CLR>":POKE 53280,0:POKE 53281,0:POKE
      646,7                                                 <237>
00015 PRINT "<2DOWN><4SPACE>OYUNUMUZ BIR LABIRENT A
      DVENTURE KARI"                                        <113>
00020 PRINT "<DOWN><2SPACE>SIMDIDE AMACINIZ ISE ESY
      ALARI TOPLAMAK"                                       <006>
00030 PRINT "<DOWN><2SPACE>SON ODADA ESYA BITINCE '
      Q' YA BASIN "                                         <144>
00040 PRINT "<DOWN><2SPACE>BOYLECE OYUN BITECEKTIR
      "                                                     <252>
00050 PRINT "<DOWN><2SPACE>NOT: SON ODA 4. ODADIR."
                                                            <022>
00055 PRINT "<2DOWN><10SPACE>BASARILAR"                     <010>
00060 PRINT "<18SPACE>":FOR Y=1 TO
      5000:NEXT                                             <029>
00070 A=0:B=0:C=0                                           <092>
00080 POKE 53280,0:POKE 53281,0                             <208>
00090 SC=100000                                             <134>
00100 PRINT "<CLR>"                                         <068>
00110 GOSUB  59000                                          <010>
00120 PRINT :PRINT "<CTRL-8><RVSON><4SPACE><RVSOFF
      >",                                                   <254>
00130 PRINT "<RVSON><13SPACE><RVSOFF><RVSON><C=7><7
      SPACE><RVSOFF><RVSON><CTRL-8><14SPACE><RVSON>
      <C=7><6SPACE><RVSOFF>";                               <029>
00140 PRINT "<RVSON><CTRL-8><4SPACE><RVSOFF><RVSON>
```

```
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><3SPACE><
      RVSOFF><RVSON><C=7><7SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8><5SPACE><RVSOFF><RVSON><C=
      7><6SPACE><RVSOFF>";                                    <250>
00150 PRINT "<RVSON><CTRL-8><4SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><3SPACE><
      RVSOFF><RVSON><C=7><7SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8><5SPACE><RVSOFF><RVSON><C=
      7><6SPACE><RVSOFF>";                                    <004>
00160 PRINT "<RVSON><CTRL-8><4SPACE><RVSOFF><RVSON>
      <C=4><3SPACE>1<2SPACE><RVSOFF><RVSON><CTRL-8>
      <3SPACE><RVSOFF><RVSON><C=7><7SPACE><RVSOFF><
      RVSON><CTRL-8><3SPACE><RVSOFF><RVSON><C=4><3S
      PACE>2<2SPACE><RVSOFF><RVSON><CTRL-8><5SPACE>
      <RVSOFF><RVSON><C=7><6SPACE><RVSOFF>";                  <140>
00170 PRINT "<RVSON><CTRL-8><4SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><3SPACE><
      RVSOFF><RVSON><C=7><7SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8><5SPACE><RVSOFF><RVSON><C=
      7><6SPACE><RVSOFF>";                                    <024>
00180 PRINT "<CTRL-8><RVSON><4SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><13SPACE>
      <RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><C
      TRL-8><11SPACE>";                                       <068>
00190 PRINT "<CTRL-8><RVSON><4SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><13SPACE>
      <RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><C
      TRL-8><11SPACE>";                                       <078>
00200 PRINT "<CTRL-8><RVSON><4SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><13SPACE>
      <RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><C
      TRL-8><11SPACE>";                                       <088>
00210 PRINT "<CTRL-8><RVSON><4SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><13SPACE>
      <RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><C
      TRL-8><11SPACE>";                                       <098>
00220 FOR I=1 TO 5:PRINT "<RVSON><C=8><40SPACE><R
      VSOFF>";                                                <245>
00230 NEXT I                                                  <058>
00241 PRINT "<HOME><RVSON><C=8><17DOWN><12SPACE>*<1
      8SPACE>"                                                <179>
00242 PRINT "<HOME><RVSON><C=8><15DOWN><16SPACE>ANA
      HTAR<8SPACE>"                                           <134>
00243 PRINT "<HOME><RVSON><C=8><16DOWN><24SPACE>$<6
      SPACE>"                                                 <243>
00250 PRINT :PRINT "<RVSON><CTRL-1><11SPACE><RVSOFF
      ><C=4>*** ODA 1 ***<RVSON><CTRL-1><16SPACE>";
                                                              <166>
00260 PRINT "<RVSOFF><C=4>YERDE 1 ANAHTAR,1 DOLAR,1
      CARPI VE 2 KA PI VAR"                                   <004>
```

```
00270 INPUT "<C=4><HOME><22DOWN> EMRINIZ:";A$                    <019>
00280 IF  A$="1.KAPIYA GIT" THEN  IF A=0  THEN PRIN
      T "ANAHTAR YOK!":GOTO 270                                  <160>
00290 IF A$="1.KAPIYA GIT"  THEN  IF A=1 THEN PRINT
       "GIDIYORUM AMA ACILMIYOR":GOTO 270                        <241>
00300 IF A$="ANAHTARI AL" THEN PRINT "TAMAM!<7SPACE
      >":A=1:SC=SC+10:GOSUB 59000:GOTO 55000                     <164>
00310 IF A$="DOLARI AL" THEN PRINT "TAMAM!<9SPACE>"
      :B=1:SC=SC+15:GOSUB 59000:GOTO 56000                       <147>
00320 IF A$="CARPIYI AL" THEN PRINT "TAMAM!<8SPACE>
      ":C=1:SC=SC+20:GOSUB 59000:GOTO 57000                      <233>
00330 IF  A$="ANAHTARI KULLAN"  AND A=1  THEN PRINT
       "IYI FIKIR<14SPACE>":GOTO  1000                           <166>
00340 IF  A$="2.KAPIYA GIT"  THEN PRINT "OLAMAZ! AY
      NI ODA<11SPACE>":GOTO  270                                 <054>
00999 GOTO  270                                                  <029>
01000 POKE 53280,0:POKE 53281,0:POKE 646,7:AC=1                  <008>
01010 PRINT "<CLR>":PRINT "<8DOWN><5SPACE>SCORE:";S
      C;"<6SPACE>BONUS:500"                                      <071>
01020 IF AC=3 THEN FOR  L=1  TO 3000:NEXT :GOTO 110
      0                                                          <116>
01025 SC=SC+500:AC=AC+1                                          <116>
01030 FOR I=1  TO  3000:NEXT :GOTO 1010                          <077>
01100 PRINT "<CLR>"                                              <072>
01105 GOSUB  59100                                               <021>
01110 PRINT :PRINT "<RVSON><CTRL-8><40SPACE><RVSOFF
      >";                                                        <007>
01120 PRINT "<RVSON><C=7><6SPACE><RVSOFF><RVSON><CT
      RL-8><28SPACE><RVSOFF><RVSON><C=7><6SPACE><RV
      SOFF>";                                                    <026>
01130 PRINT "<RVSON><C=7><6SPACE><RVSOFF><RVSON><CT
      RL-8><2SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8><4SPACE><RVSOFF><RVSON><C=
      4><6SPACE><RVSOFF><RVSON><CTRL-8><3SPACE><RVS
      OFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CTRL-
      8> <RVSOFF><RVSON><C=7><6SPACE><RVSOFF>";                  <249>
01140 PRINT "<RVSON><C=7><6SPACE><RVSOFF><RVSON><CT
      RL-8><2SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8><4SPACE><RVSOFF><RVSON><C=
      4><6SPACE><RVSOFF><RVSON><CTRL-8><3SPACE><RVS
      OFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CTRL-
      8> <RVSOFF><RVSON><C=7><6SPACE><RVSOFF>";                  <003>
01150 PRINT "<RVSON><C=7><6SPACE><RVSOFF><RVSON><CT
      RL-8><2SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8><4SPACE><RVSOFF><RVSON><C=
      4><6SPACE><RVSOFF><RVSON><CTRL-8><3SPACE><RVS
      OFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CTRL-
      8> <RVSOFF><RVSON><C=7><6SPACE><RVSOFF>";                  <013>
01160 PRINT "<RVSON><C=7><6SPACE><RVSOFF><RVSON><CT
      RL-8><2SPACE><RVSOFF><RVSON><C=4><3SPACE>1<2S
      PACE><RVSOFF><RVSON><CTRL-8><4SPACE><RVSOFF><
      RVSON><C=4><3SPACE>2<2SPACE><RVSOFF><RVSON><C
      TRL-8><3SPACE><RVSOFF><RVSON><C=4><3SPACE>3<2
```

```
      SPACE><RVSOFF><RVSON><CTRL-8> <RVSOFF><RVSON>
      <C=7><6SPACE><RVSOFF>";                                  <137>
01170 PRINT "<RVSON><CTRL-8><8SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><4SPACE><
      RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8> <RVSOFF><RVSON><CTRL-8><6
      SPACE><RVSOFF>";                                         <087>
01175 PRINT "<RVSON><CTRL-8><8SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><4SPACE><
      RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8> <RVSOFF><RVSON><CTRL-8><6
      SPACE><RVSOFF>";                                         <092>
01180 PRINT "<RVSON><CTRL-8><8SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><4SPACE><
      RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8> <RVSOFF><RVSON><CTRL-8><6
      SPACE><RVSOFF>";                                         <097>
01185 PRINT "<RVSON><CTRL-8><8SPACE><RVSOFF><RVSON>
      <C=4><6SPACE><RVSOFF><RVSON><CTRL-8><4SPACE><
      RVSOFF><RVSON><C=4><6SPACE><RVSOFF><RVSON><CT
      RL-8><3SPACE><RVSOFF><RVSON><C=4><6SPACE><RVS
      OFF><RVSON><CTRL-8> <RVSOFF><RVSON><CTRL-8><6
      SPACE><RVSOFF>";                                         <102>
01190 PRINT "<RVSON><C=8><40SPACE><RVSOFF>";                   <169>
01193 PRINT "<RVSON><C=8><16SPACE>+<23SPACE><RVSOFF
      >";                                                      <103>
01195 PRINT "<RVSON><C=8><23SPACE>_<16SPACE><RVSOFF
      >";                                                      <118>
01197 PRINT "<RVSON><C=8><10SPACE>@<29SPACE><RVSOFF
      >";                                                      <021>
01199 PRINT "<RVSON><C=8><40SPACE><RVSOFF>";                   <178>
01200 PRINT "<DOWN><9SPACE><RVSOFF><C=4>*** ODA 2 *
      **<RVSON><CTRL-1><17SPACE><RVSOFF>";                     <015>
01210 PRINT "<C-4> KARSIDA 3 ADET KAPI VAR.YERDE 1
      ARTI,1 OK,1 TOP VAR"                                     <119>
01220 INPUT "<C=4><HOME><22DOWN> EMRINIZ:";B$                  <015>
01260 IF B$="OKU AL"  THEN PRINT "TAMAM!":SC=SC+20:
      GOSUB 59100:GOTO  55600                                  <181>
01270 IF  B$="TOPU AL" THEN  PRINT "TAMAM!":SC=SC+3
      0:GOSUB  59100:GOTO 55700                                <243>
01280 IF  B$="1.KAPIYA GIT" THEN  PRINT "OLAMAZ! AY
      NI ODA<18SPACE>":GOTO 1220                               <175>
01290 IF  B$="2.KAPIYA GIT" THEN PRINT "GIDIYORUM A
      MA KAPI ACILMIYOR":GOTO  1220                            <124>
01300 IF B$="ANAHTARI KULLAN"  THEN PRINT "OLAMAZ 1
      .ODA<20SPACE>":GOTO  100                                 <010>
01310 IF B$="3.KAPIYA GIT" THEN PRINT "GIDIYORUM AM
      A ACILMIYOR!":GOTO 1220                                  <161>
```

Devamı 74. Sayıda

COMMODORE 64 İLE PROGRAM YAZIYOR MUSUNUZ?

Eğer yazıyorsanız ve bu programları değerlendirme, bildiklerinizi diğer Commodore'cularla paylaşmak ve biraz da ek gelir sağlamak istiyorsanız,

YAYINLANAN HER PROGRAMINIZA 30.000 TL.

ödüyoruz !!!

Yapmanız gereken, programlarınızı bir diskete ya da kasete (turbosuz) kaydederek programınızın tam açıklaması ve adresinizle

COMMODORE DERGİSİ
PROGRAM DÖKÜM EKİ
SAKIZ SOK. BERKEL APT.
NO: 6/4 - 81300 KADIKÖY
İSTANBUL

adresine poastalamak.

Eğer programınız sonraki sayılardan birinde yayınlanırsa, programınızın telif ücreti olan 30.000 TL.'yi size ileteceğiz.

⇨Programlar normal Basic dili ile, Simons' Basic ile ya da Makina Dili ile yazılmış olabilir. Eğer programınız Simons' Basic ile yazılmış ise bunu lütfen açıklamalarınızda belirtiniz. Makina Dili ile yazılan programlarınızın başlangıç ve bitiş adreslerini ve de çalışma adreslerini açıklamalarınızda belirtiniz.

⇨Programlarınızın ihtiyacı olan diğer birimleri de belirtmeyi unutmayınız. Programınızın bir dataset'e (teyp), disk sürücüsüne ya da joystick'e (veya her hangi başka bir birime) ihtiyacı varsa açıklamanızda belirtiniz.

⇨Programınızı anlatırken, kolayca anlaşılabilecek şekilde yazınız. Unutmayın ki bu programları yazacak olan arkadaşlarınızın arasında çok yeni Commodore'cular da bulunacaktır.

Şimdiden hepinize iyi çalışmalar diliyoruz ve programlarınızı bekliyoruz.